

**What is claimed is:**

1. A method of wirelessly transmitting data signals to one of a plurality of mobile stations, each of which can sense the transmitted signal, the method comprising:-
  - allocating a locally unique code to a destination mobile station; and
  - transmitting a radio block, comprising a plurality of bursts and conveying data belonging to a plurality of data streams, to said mobile station,
  - wherein said code is included in each of said bursts at a predetermined location therein.
2. A method according to claim 1, wherein said location is static.
3. A method according to claim 1, including transmitting a further radio block, comprising a plurality of bursts and conveying data belonging to a plurality of data streams, to said mobile station, wherein said code is included in each of said bursts at another predetermined location therein to indicate that said mobile station may transmit in the next uplink radio block.
4. A method of operating a mobile station for the reception of data signals, the method comprising:-
  - receiving a locally unique code;
  - receiving a burst of a radio block, the radio block comprising a plurality of bursts and conveying data belonging to a plurality of data streams, to said mobile station; and
  - extracting a code from a predetermined location in said burst and decoding said radio block if the extracted code matches said locally unique code.
5. A method of operating a mobile station comprising performing a method according to claim 4, and transmitting a radio block comprising a plurality of bursts, each burst containing said extracted code in a predetermined location.

6. A mobile station including receiving means and processing means, wherein the processing means is configured for controlling the mobile station to perform a method according to claim 4.

7.. A mobile station including receiving means and processing means, wherein the processing means is configured for controlling the mobile station to perform a method according to claim 5.

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